

Date: _____

Name: _____

Light Refraction Mini Experiment

This activity was created by Brandi.

Try looking at an object through each of the transparent materials below. You may find that the image will look different through one medium and not the others.

Draw what you see when looking at the item through water, air, and glass.

To test air, hold the item anywhere! This is the control variable of your experiment, compare the results of the other two materials to this one.

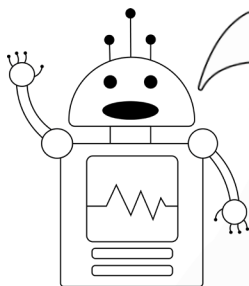
Air _____

To test glass, place the object in an empty glass so that it partially sticks up over the top. Draw what the top half (in the air) and the bottom half (in the glass) look like together.

Glass _____

To test water, place the object in a glass of water so that it partially sticks up over the top. Draw what the top half (in the air) and the bottom half (in the water) look like together.

Water _____



Did you know that inputs and outputs are a huge part of coding? An input is the information or data that a computer receives. An output is what the computer returns after processing that data. In this example, light is moving through different mediums (air, water, glass). Within each medium, the light acts differently, so that when the light exits it (the output) it might look different than what went in (the input).